



08-23-05

1fw/B

22 August 2005

**RE:** Application No. 10/693,054  
Response to your Office Action of 22 April 2005

**Applicant:** Leonard Tafel

**Filed:** 2 April 2004 Express Mail Label No. EQ141865980 US

**Examiner:** Mr. Stephen Gravini Art Unit 3749

**CLAIM LISTING:**

Claims 1-13 (canceled)

Claim 14

Line 11 . . . ~~said~~ the ionized airstream

Line 13 . . . of ~~said gasses~~, vapors and fumes . . .

Line 14 . . . ionized ~~gasses~~, fumes . . .

Claim 15 & 16 (original)

Claim 17 (currently amended)

Lines 4, 7 & 11 . . . ~~said elongated~~ tubes

Claims 18-22 (new) Note: These replace original claim 10

**SPECIFICATION: Paragraph 4**

Line 34 The ~~gasses~~ vapors

Line 36 & 37 . . . ~~said gasses~~, fumes . . .

Line 39 Said ~~gasses~~, fumes. . .

Line 42 The ~~Said~~ ionized ~~gasses~~, vapors . . .

**DETAILED DESCRIPTION OF PREFERRED EMBODIMENT:**

Second to last line A ~~portion~~ portion of the air . . .

My emphasis on ionization of gas in addition to the ionization of fumes and vapors stems from the fact that all the electrostatic filtering that I am aware of uses a more modest 5 KV to ionize particulate matter while creating only a minimum amount of ozone, whereas I use over 20 KV and the nascent gasses emanating from the web and just above it is generally unstable and susceptible to ionization and are particularly vulnerable to oxidation by ozone.

The zinc oxide photoconductive coating on the paper mentioned in Gawron col 5 line 6 and the last line of p.4 of the office action could not be a factor in thermionic emission as thermionic emission becomes prevalent above 1000 degrees Fahrenheit.

I believe that the missing "e's" are caused by a problem the character recognition system at the USPTO which has apparently been rectified, as they look just fine on the copies of what I sent. I am sending you a complete set of sheets just in case.

I am usually available at home at 847 297 7121 or cell phone at 847 778 6631

I certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as 1st class mail in an envelope addressed to the Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22231-1450 on 22 August 2005.

A handwritten signature in black ink, appearing to read "Leonard I. Tafel", written over a horizontal line.

Leonard I. Tafel